

Replacement Abstract:

Please cancel the Abstract found on page 23 and replace it with the following:

Implementations of a progressive two-dimensional pyramid filter bank are disclosed including a method of adding a first and a last input signal sample to a sum of input samples of a next lower-tap filter of a current filter to produce a sum of input signal samples for the current filter; and adding the sum of input signal samples for the current filter to an output signal sample of the next lower-tap filter of the current filter to produce an output signal sample for the current filter. In one implementation the first and second adding is performed by different adders. In another implementation the first and second adding is applied by column and by row.